## **CLAIMS**

- 1. A method of redirecting information in a segmented virtual machine (VM) comprising:
- sending information to a shell VM; and redirecting the information to bypass the shell VM.
  - 2. The method of claim 1, further including establishing a connection between an external application and the shell VM.
- The method of claim 1, further including establishing a second connectionbetween the shell VM and a core VM.
  - 4. The method of claim 1, further including: establishing a first connection between an external application and the shell VM; establishing a second connection between the shell VM and a core VM; and stitching the first connection and the second connection.
- 15 5. The method of claim 1, wherein redirecting includes receiving the information at a switch.
  - 6. The method of claim 1, wherein the information is redirected to a core VM.
  - 7. The method of claim 1, wherein the information is redirected to an external application.
- 20 8. The method of claim 1, wherein the information is included in a TCP packet or TCP connection.
  - 9. The method of claim 1, wherein a packet received by a core VM appears to have been sent by the shell VM.

- 10. The method of claim 1, wherein a packet received by an external application appears to have been sent by the shell VM.
- 11. The method of claim 1, wherein redirecting includes translating an address within a packet.
- 5 12. The method of claim 1, wherein the shell VM and a core VM communicate over a separate communications link.
  - 13. The method of claim 1, further including determining that the information should be redirected.
- 14. The method of claim 1, wherein the shell VM determines whether to redirect the information.
  - 15. The method of claim 1, wherein a core VM determines whether to redirect the information.
  - 16. The method of claim 1, wherein the information is redirected once a connection associated with the information lasts longer than a certain period of time.
- 15 17. The method of claim 1, wherein the information is redirected once a connection associated with the information sends more than a certain number of packets.
  - 18. The method of claim 1, wherein the information is redirected once the shell VM device carries a certain load.
  - 19. The method of claim 1, further including:
- receiving a message indicating that the information sending has been completed; and sending a control message.
  - 20. The method of claim 1, further including:

receiving a message indicating that the information sending has been completed; and

forwarding the message.

- 21. The method of claim 1, further including:
- receiving a message indicating that the information sending has been completed; translating the message; and sending the translated message.
  - 22. The method of claim 1, wherein a device that includes a switch and a core VM redirects the information.
- The method of claim 1, wherein a device that includes a switch and the shell VM redirects the information.
  - 24. The method of claim 1, wherein a device that includes the shell VM, a core VM, and a switch redirects the information.
- A method of evaluating whether to redirect information comprising:
   sending a discovery packet;
   receiving a reply to the discovery packet; and
  - determining whether a switch is capable of stitching based on the reply.
  - 26. The method of claim 22, further including determining the number of ingress and egress points on a device.
- 20 27. A method of responding to a discovery packet comprising: receiving the discovery packet at a switch; and sending a response indicating a capability of the switch.

- 28. The method of claim 24, further including determining whether the switch is one hop away from the device that sent the discovery packet.
- 29. A system for redirecting information in a segmented VM comprising:
  a device configured to send information to a shell VM; and
  a switch configured to redirect the information to bypass the shell VM.
- 30. The system of claim 26, wherein the device includes an external application.
- 31. The system of claim 26, wherein the device includes a core VM.
- 32. A system for evaluating whether to redirect information, comprising: a shell VM configured to:
- send a discovery packet;

  receive a reply to the discovery packet; and
  determine whether a switch is capable of stitching based on the reply; and
  a switch configured to send a reply to the discovery packet.
- A system for responding to a discovery packet, comprising:
  a shell VM configured to send the discovery packet; and
  a switch configured to:

receive the discovery packet; and respond with a capability of the switch.

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5